

B. B. Rumbaut

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Page 1 of 7

NOV 27 2000

1642

TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/230,111B
DATE: 11/07/2000
TIME: 11:01:12

Input Seq: A:\48962apl.app
Output Seq: B:\CRF3\11072000\I230111B.raw

3 <110> APPLICANT: Saei, Taka-Aki
4 Yamaoka, Jun
5 <120> TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN
6 SIGNAL-TRANSDUCING PROTEINS AND THE GPCR (PDE/DHR)
7 DOMAIN AND USES THEREOF
8
9 <130> FILE REFERENCE: 48962-A-PCT-US
10
11 <140> CURRENT APPLICATION NUMBER: 09/230,111B
12
13 <141> CURRENT FILING DATE: 1999-05-17
14
15 <150> NUMBER OF SEQ ID NOS: 43
16
17 <170> SOFTWARE: PatentIn Ver. 2.1
18
19 <210> SEQ ID NO: 1
20
21 <211> LENGTH: 4
22
23 <212> TYPE: PRT
24
25 <213> ORGANISM: Artificial Sequence
26
27 <220> FEATURE:
28
29 <223> OTHER INFORMATION: Description of Artificial
30 Sequence:source:synthesized
31
32 <220> FEATURE:
33
34 <221> NAME/KEY: SITE
35
36 <222> LOCATION: (1)
37
38 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu
39
40 <220> FEATURE:
41
42 <221> NAME/KEY: SITE
43
44 <222> LOCATION: (4)
45
46 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
47
48 <400> SEQUENCE: 1
W--> 39 Xaa Leu Gly Xaa
40 1
41
42 <210> SEQ ID NO: 2
43
44 <211> LENGTH: 6
45
46 <212> TYPE: PRT
47
48 <213> ORGANISM: Artificial Sequence
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50 <220> FEATURE:
51
52 <223> OTHER INFORMATION: Description of Artificial
53 Sequence:source:synthesized
54
55 <220> FEATURE:
56
57 <221> NAME/KEY: SITE
58
59 <222> LOCATION: (1)
60
61 <223> OTHER INFORMATION: Xaa=Lys, Arg or Glu
62
63 <220> FEATURE:
64
65 <221> NAME/KEY: SITE
66
67 <222> LOCATION: (2)
68
69 <223> OTHER INFORMATION: Xaa=any 2-4 amino acids
70
71 <220> FEATURE:
72
73 <221> NAME/KEY: SITE
74
75 <222> LOCATION: (3)
76
77 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu

Does Not Comply
Corrected Diskette Needed

Xaa may only represent
one residue. See #6
on the Error Summary Sheet

RAW SEQUENCE LISTING DATE: 11/07/2000
 PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Set : A:\48962apl.app
 Output Set: N:\CRF3\11072000\1230111B.raw

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7 <220> FEATURE:
62 <221> NAME/KEY: SITE
63 <222> LOCATION: (1)
70 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
72 <400> SEQUENCE: 2
W--> 73 Xaa Xaa Xaa Leu Gly Xaa See p.1
74 1 5
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 4
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial
84 Sequence:source:synthesized
86 <400> SEQUENCE: 3
87 Ser Leu Gly Ile
88 1
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 3
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial
98 Sequence:source:synthesized
100 <220> FEATURE:
101 <221> NAME/KEY: SITE
102 <222> LOCATION: (1)
103 <223> OTHER INFORMATION: Xaa=Ser or Thr
105 <220> FEATURE:
106 <221> NAME/KEY: SITE
107 <222> LOCATION: (2)
108 <223> OTHER INFORMATION: Xaa=any one amino acid
110 <220> FEATURE:
111 <221> NAME/KEY: SITE
112 <222> LOCATION: (3)
113 <223> OTHER INFORMATION: Xaa=Val, Ile or Leu
115 <400> SEQUENCE: 4
W--> 116 Xaa Xaa Xaa
117 1
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 15
122 <212> TYPE: PRT
123 <213> ORGANISM: human
125 <400> SEQUENCE: 5
126 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val
127 1 5 10 15
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 15
132 <212> TYPE: PRT

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/230,111B

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TIME: 15:01:29

Input Set : A:\48962apl.app

Output Set: B:\CRF3\11072000\I230111B.raw

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143 <213> ORGANISM: rat
144 <400> SEQUENCE: 7
145 Ser Ile Ser Asn Ser Arg Asn Glu Asn Gly Gln Ser Leu Glu
146 1 5 10 15
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 15
149 <212> TYPE: PRT
150 <213> ORGANISM: mouse
151 <400> SEQUENCE: 7
152 Ser Thr Pro Asp Thr Gly Asn Glu Asn Glu Gly Gln Cys Leu Glu
153 1 5 10 15
154 <210> SEQ ID NO: 8
155 <211> LENGTH: 1
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial
160 Sequence:source:synthesized
161 <400> SEQUENCE: 8
162 Glu Ser Leu Val
163 1
164 <210> SEQ ID NO: 9
165 <211> LENGTH: 6
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence:
170 source:synthesized
171 <400> SEQUENCE: 9
172 Thr Ile Gln Ser Val Ile
173 1 5
174 <210> SEQ ID NO: 10
175 <211> LENGTH: 8
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial
180 Sequence:source:synthesized
181 <400> SEQUENCE: 10
182 Arg Gly Phe Ile Ser Ser Leu Val
183 1 5
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 8
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial
190 Sequence:source:synthesized
191 <400> SEQUENCE: 11

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/230,111B

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TIME: 15:01:29

Input Set : A:\48962apl.app

Output Set: N:\CRF3\11072000\I230111B.raw

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202 Arg Glu Thr Ile Glu Ser Thr Val
203 1 5 10
204 <210> SEQ ID NO: 12
207 <211> LENGTH: 11
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial
213 Sequence:source:synthesized
215 <400> SEQUENCE: 12
216 Gln Asn Phe Arg Thr Ile Val Ser Phe Val
217 1 5 10
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 13
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial
227 Sequence:source:synthesized
229 <400> SEQUENCE: 13
230 Ser Asp Ser Asn Met Asn Met Asn Glu Leu Ser Glu Val
231 1 5 10
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 15
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial
241 Sequence:source:synthesized
243 <400> SEQUENCE: 14
244 Pro Pro Thr Cys Ser Gln Ala Asn Ser Gly Arg Ile Ser Thr Leu
245 1 5 10 15
248 <210> SEQ ID NO: 15
249 <211> LENGTH: 15
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial
255 Sequence:source:synthesized
257 <400> SEQUENCE: 15
258 Ile Asp Leu Ala Ser Glu Phe Leu Phe Leu Ser Asn Ser Phe Leu
259 1 5 10 15
262 <210> SEQ ID NO: 16
263 <211> LENGTH: 15
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial
269 Sequence:source:synthesized

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RAW SEQUENCE LISTING DATE: 11/07/2000
 PATENT APPLICATION: US/09/230,111B TIME: 15:01:29

Input Seq : A:\48962apl.app
 Output Seq: N:\CRF3\11072000\I230111B.raw

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271 <400> SEQUENCE: 16
272 Asp Ser Gln Met Leu Asn Phe Arg Ser Gln Leu Ala Ser Val Val
273   1           5           10           15
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275 <211> LENGTH: 15
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial
283     Sequence:source:synthesized
285 <400> SEQUENCE: 17
286 Ile Pro Pro Asp Ser Gln Asp Gly Asn Gln Gln Ser Leu Val
287   1           5           10           15
288 <210> SEQ ID NO: 18
289 <211> LENGTH: 4
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial
297     Sequence:source:synthesized
299 <400> SEQUENCE: 18
300 Gln Ser Leu Val
301   1
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 5
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence:source
311     synthesized
313 <400> SEQUENCE: 19
314 Ile Gln Ser Leu Val
315   1           5
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 6
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial
325     Sequence:source:synthesized
327 <400> SEQUENCE: 20
328 Gln Ile Gln Ser Leu Val
329   1           5
332 <210> SEQ ID NO: 21
333 <211> LENGTH: 7
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of Artificial

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/230,111B

DATE: 11/07/2000

TIME: 17:01:40

Input Set : A:\48962apl.app

Output Set: R:\CRF3\11072000\I230111B.raw

L139 H:341 W: (46) "n" or "Xaa" used, for SEQ ID#11
 L173 H:341 W: (46) "n" or "Xaa" used, for SEQ ID#12
 L1115 H:341 W: (46) "n" or "Xaa" used, for SEQ ID#13
 L11005 H:258 W: Mandatory Feature missing, (221) not found for SEQ ID#14
 L11606 H:258 W: Mandatory Feature missing, (222) not found for SEQ ID#14
 L11606 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#14
 L11623 H:258 W: Mandatory Feature missing, (221) not found for SEQ ID#15
 L11623 H:340 W: Mandatory Feature missing, (222) not found for SEQ ID#15
 L11623 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#15
 L11640 H:258 W: Mandatory Feature missing, (221) not found for SEQ ID#16
 L11640 H:258 W: Mandatory Feature missing, (222) not found for SEQ ID#16
 L11645 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#16